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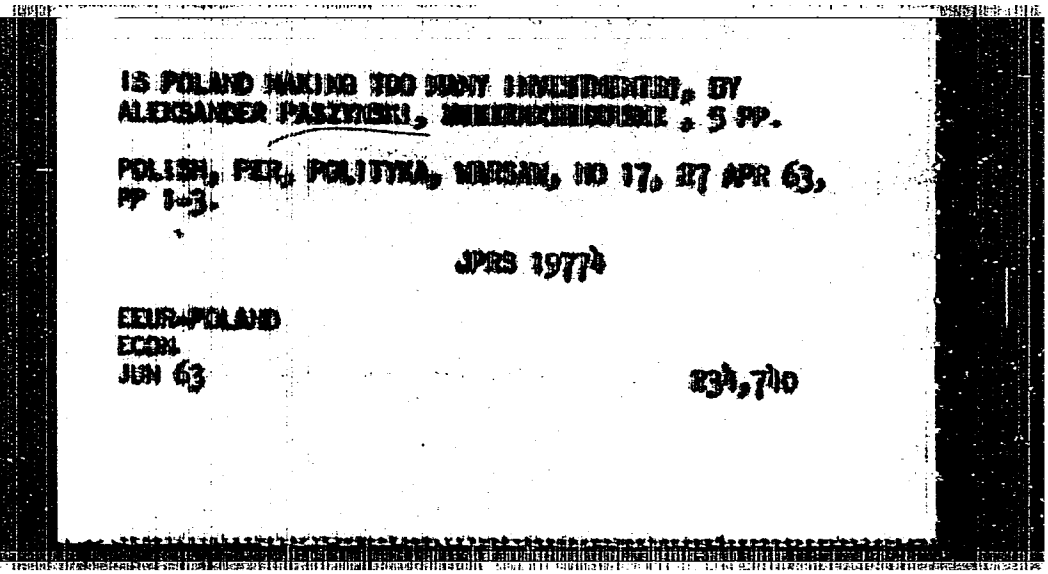

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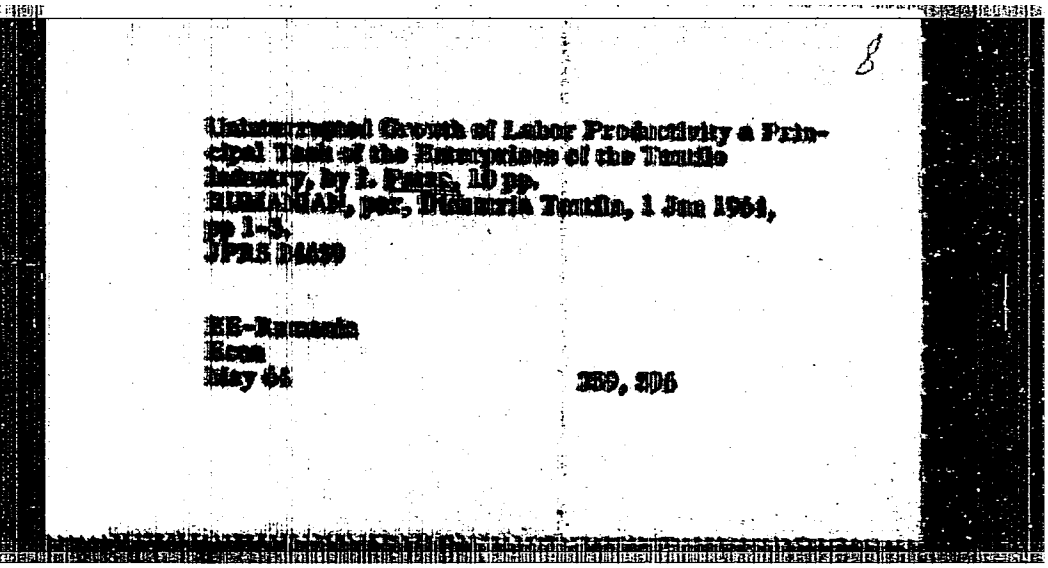

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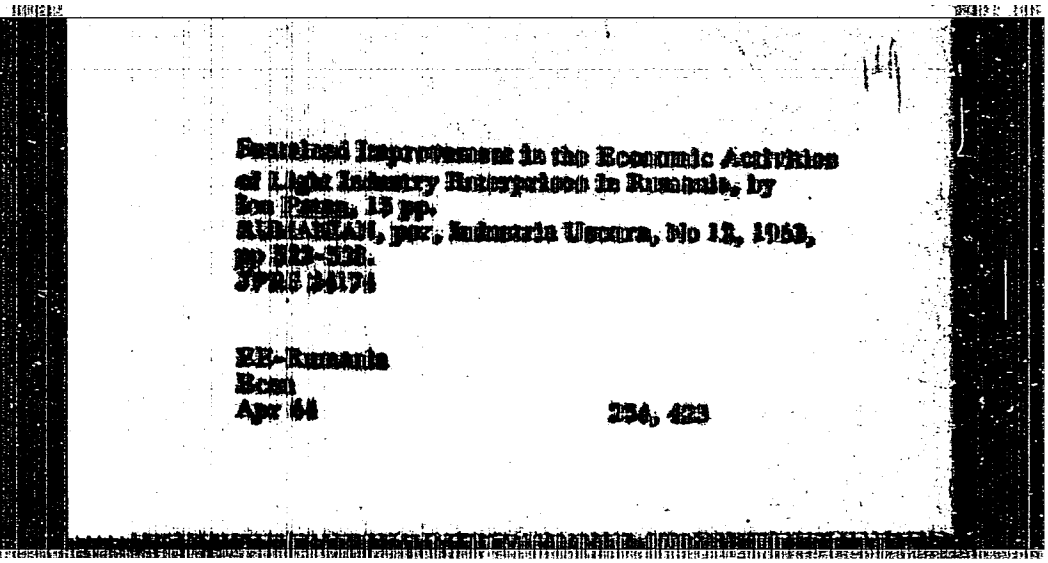

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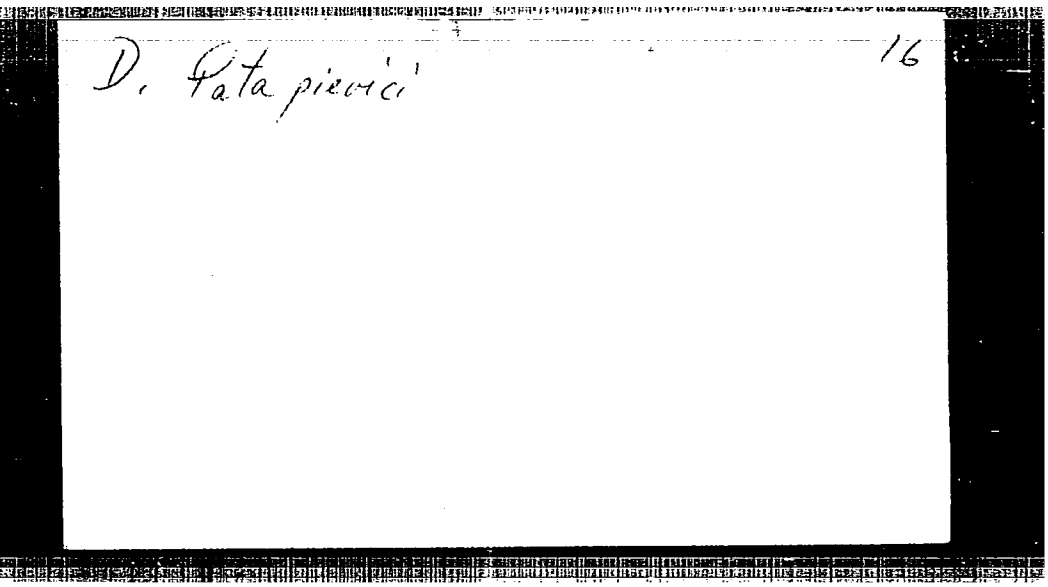

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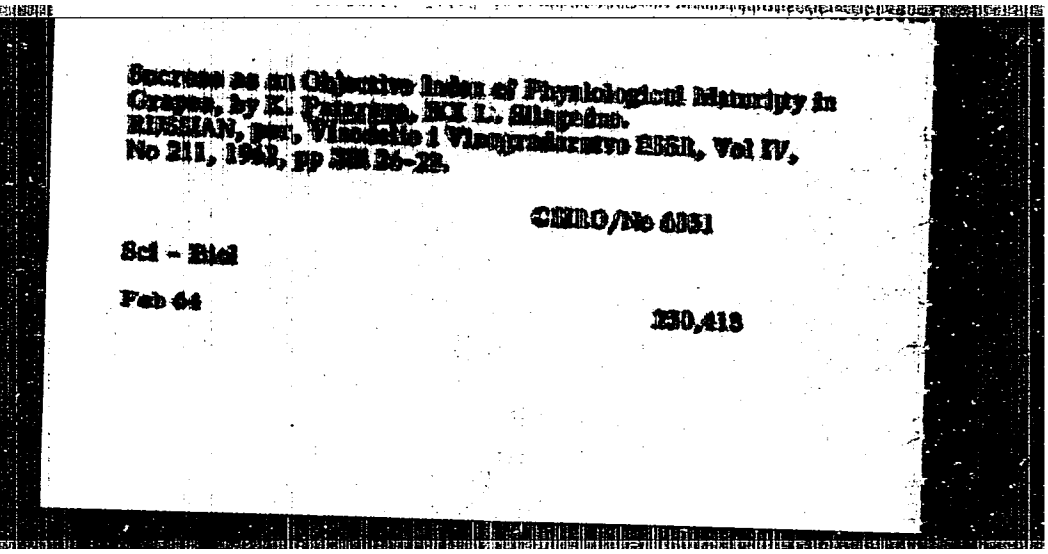

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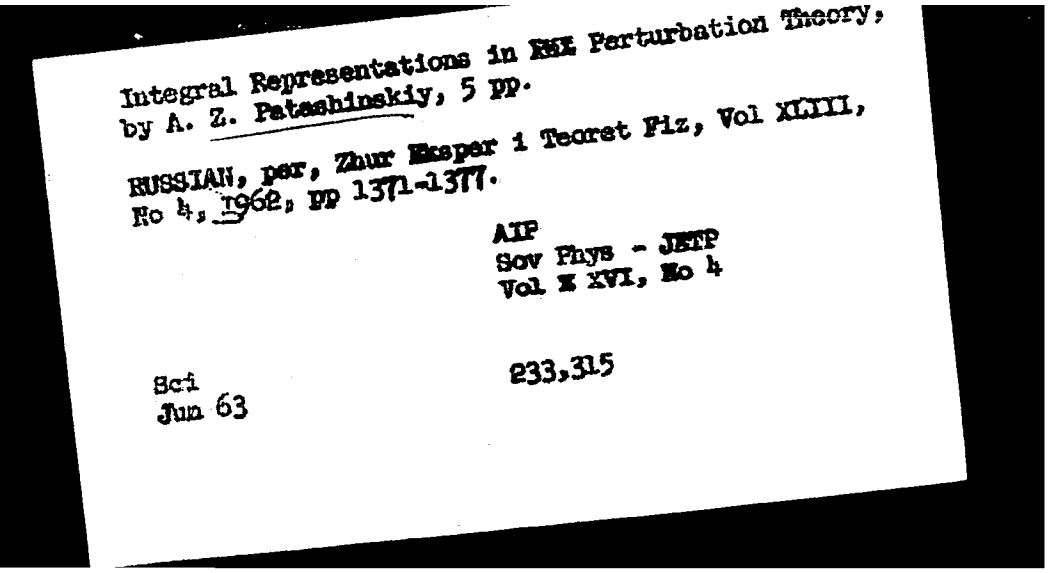

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Order from OTS or SLA $1.60 62-25803

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DESCRIPTORS: Chemical reactions, *Polymerization, Theory, Chain reactions, *Phosphorus compounds, *Nitriles, Chlorides, *Ethylene oxide, Phenols, Reaction kinetics.

A theoretical description of polymerization as a chain reaction related to the chlorine detonating gas chain is followed by a discussion of the available quantitative data on polymerization reactions (starting, terminating, growth, and transfer reactions). The examples include (over)

(Chemistry--Analytical, TT, v. 9, no. 4)

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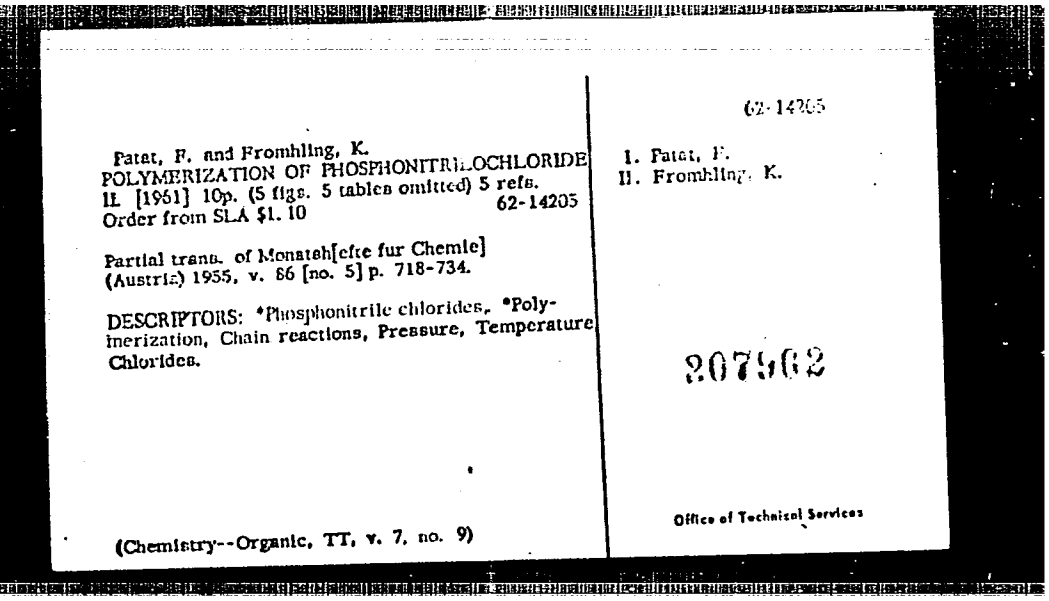

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DESCRIPTORS: *Phosphonitrile chlorides, *Polymerization, Chain reactions, Pressure, Temperature Chlorides.

(Chemistry--Organic, TT, v. 7, no. 9)

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Trans. of [Makromolekulare Chemie (Switzerland) 1959, v. 34, p. 120-138].

DESCRIPTORS: *Membranes, *Osmotic pressure, Measurement, Permeability, Polymers, Stability, Organic solvents, Switzerland, Errors.

The influence of membranes on the measurement of osmotic pressure is discussed on the basis of results of other authors and the present author. Details concern the effect of the type of membrane, permeability with respect to solvents and polymers, the Staverman effect, membrane asymmetry, sorption effects, mechanical, thermal and chemical stability as well as various trivial errors. (Author)

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1. Title: Staverman effect
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(Chemistry--Organic, TT, v. 6, no. 10)
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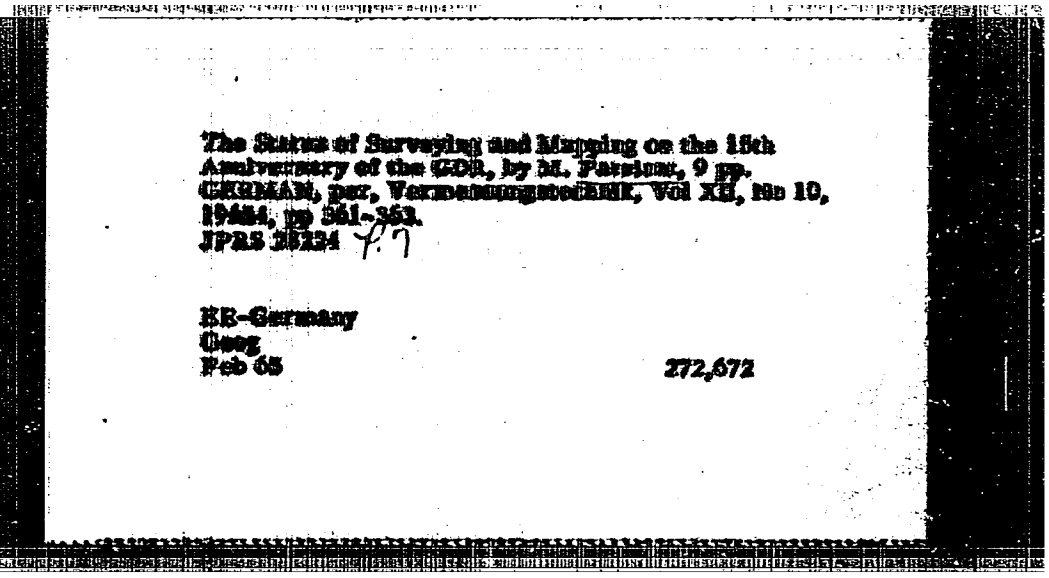

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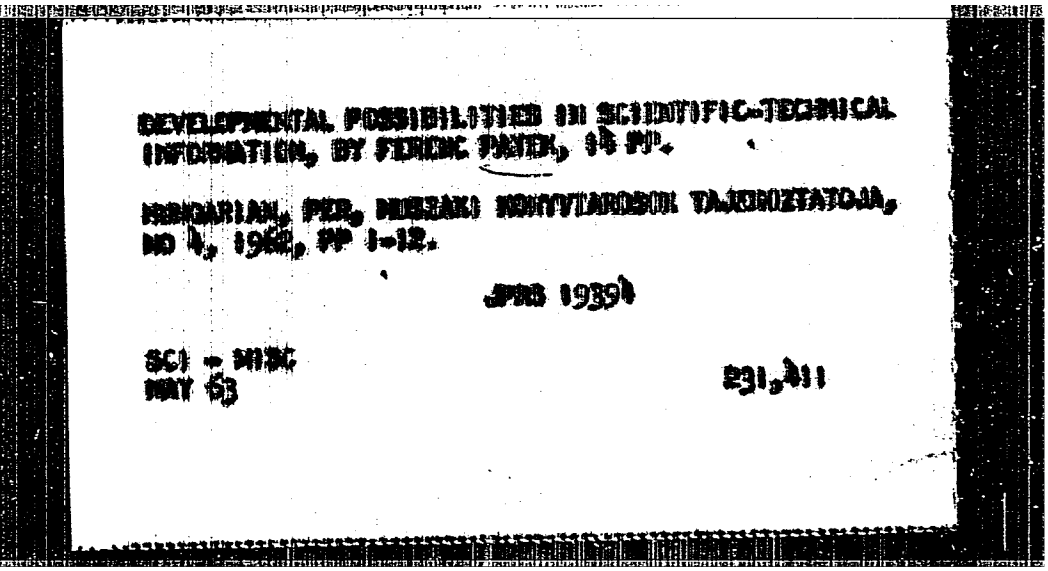

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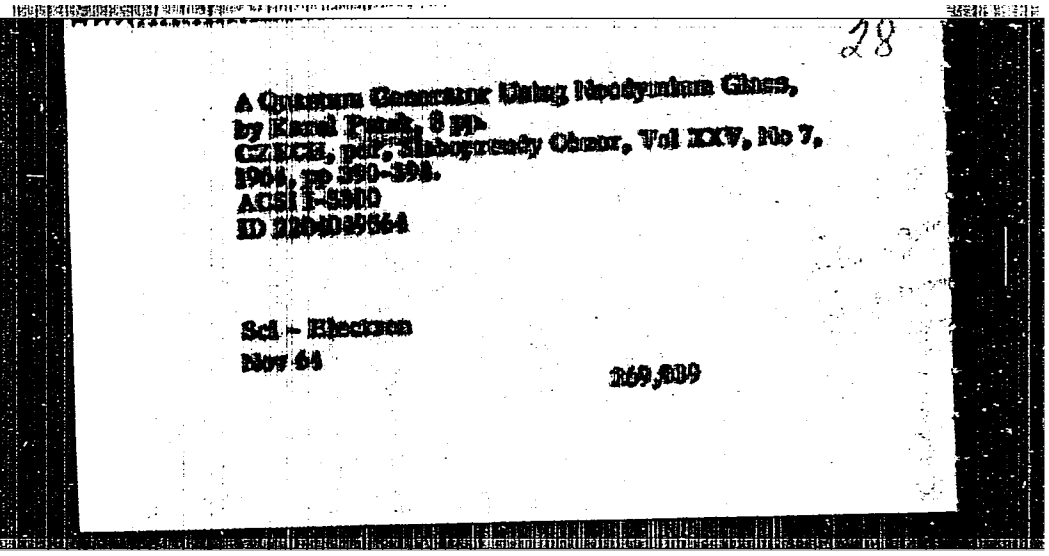

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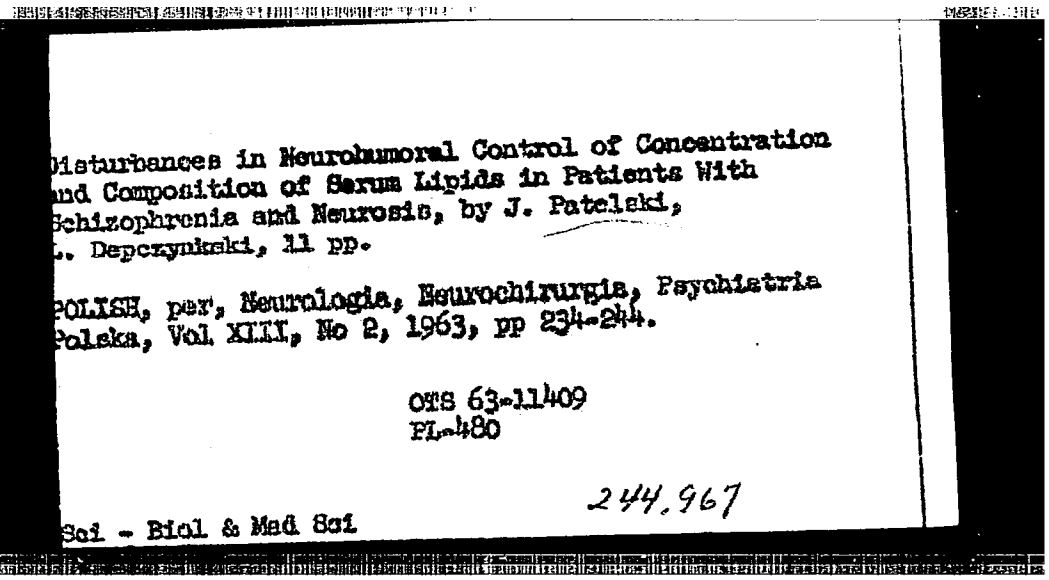

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